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October 3, 2006

EPA Region 5 Records Ctr.



298477

TO: Mr. Russell Hart, RPM  
United States Environmental Protection Agency  
Region V  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

FROM: Mr. David Curnock, PM, SECOR International Incorporated 

RE: **MONTHLY PROGRESS REPORT/MEMORANDUM**  
**Area 9/10 Remedial Design**  
**Southeast Rockford Groundwater Contamination Superfund Site**  
**Rockford, Illinois**

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Copies: Mr. Thomas Turner, Regional Counsel, USEPA Region V  
Mr. Scott Moyer, Hamilton Sundstrand/United Technologies Corporation  
Ms. Kathleen McFadden, United Technologies Corporation  
Mr. Thomas Williams, PM, IEPA  
Mr. Terry Ayers, IEPA

**CURRENT MONTH PROJECT ISSUES/STATUS:** *(activities, meetings, deliverables, etc.)*

Activities conducted in September 2006 consisted of preparation of the Pre-Final Design (95% Design) documents, discussions associated with the IEPA comments (forwarded by USEPA) on the Preliminary Design (30% Design), preparation of a groundwater management zone (GMZ) application, operation of the jet fuel recovery system in the eastern portion of the South Alley, and a quarterly water level gauging.

The remedial design will consist of air sparge (AS) points and soil vapor extraction (SVE) wells in the western portion of the South Alley along with excavation and associated activities in the Former Outside Container Storage Area (OSA). The AS and SVE remedial methods are those selected in the Record of Decision.

Any supplemental remedial activities beyond this design will be predicated on additional data or information gathered as access to areas within the building footprint becomes available. HS and USEPA will keep an open dialogue regarding the performance and timing of these activities for Area 9/10.

The operation and monitoring of the hydrocarbon (JP-4) recovery systems for light non-aqueous phase liquid (LNAPL) in the South Alley continues. September activities consisted of monitoring the recovery system operation. There was no measurable product in the three recovery wells (RW-1, RW-2, and RW-3R) when the recovery wells were gauged during the gauging of the monitoring well network on September 21, 2006. Water levels are continuing to rise slightly. Following the pump elevation adjustment at RW-2 at the end of August a de minimus volume of product was recovered.

## MONTHLY PROGRESS REPORT/MEMORANDUM

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### **FUTURE PROJECT ISSUES/STATUS:** *(activities, meetings, deliverables, etc.)*

Future project activities anticipated for October 2006 and beyond include:

- A meeting between HS, USEPA, IEPA, and SECOR to discuss the IEPA review comments on the Preliminary Design (30% Design) is scheduled for October 5<sup>th</sup> at the SECOR office in Lombard, Illinois;
- Review and submittal of the GMZ Application;
- Continuation of Remedial Design activities toward the Pre-Final Design (95% Design);
- Internal (HS) development of specific projects and timelines associated with the facility realignment and communication of these final plans with USEPA;
- Continue collection of water and product level data from the groundwater monitoring network on a periodic basis (next event scheduled for December); and
- Operation, maintenance, and monitoring of the South Alley recovery well system and evaluation of the LNAPL (JP-4) presence and recovery rates will continue.

### **SAMPLE/TEST DATA SUBMITTALS:**

The potentiometric surface map from the September 21, 2006 water level gauging event is provided as Figure 1.

### **RD SCHEDULE UPDATE:** *(attach updated schedule as necessary)*

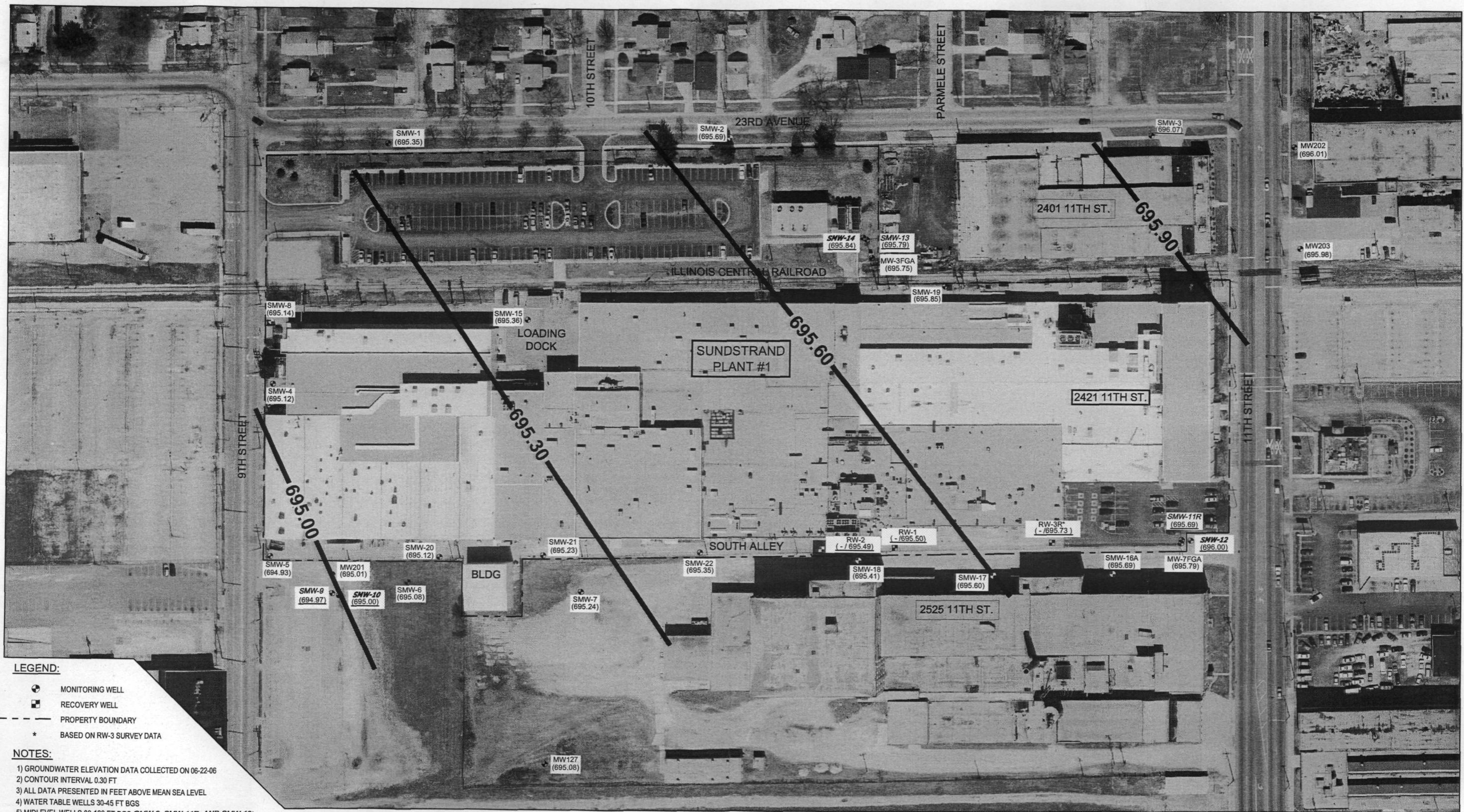
The submittal of Pre-Final Design (95% Design) is anticipated to be submitted in the fourth quarter of 2006. Pending comment and approval of the Pre-Final Design the Final Remedial Design (100%) is also anticipated to be submitted shortly thereafter.

### **REALIZED/ANTICIPATED PROBLEM CONDITIONS:**

None.

### **PERSONNEL CHANGES:**

None.



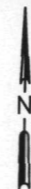
# LEGEND:


- MONITORING WELL
- RECOVERY WELL
- - - PROPERTY BOUNDARY
- \* BASED ON RW-3 SURVEY DATA

# NOTES:

- 1) GROUNDWATER ELEVATION DATA COLLECTED ON 06-22-06
- 2) CONTOUR INTERVAL 0.30 FT
- 3) ALL DATA PRESENTED IN FEET ABOVE MEAN SEA LEVEL
- 4) WATER TABLE WELLS 30-45 FT BGS
- 5) MIDLEVEL WELLS 80-100 FT BGS (SMW-9, SMW-11R, AND SMW-13)
- 6) DEEP WELLS 120-140 FT BGS (SMW-10, SMW-12, AND SMW-14)
- 7) 694.93 - WATER LEVEL ELEVATION
- 8) - / 695.50 - PRODUCT ELEVATION/WATER LEVEL ELEVATION (-) IF NO PRODUCT MEASURED
- 9) 695.00 - UNDERLINED VALUE EXCLUDED FROM POTENTIOMETRIC SURFACE EVALUATION
- 10) BGS - BELOW GROUND SURFACE
- 11) ONLY WELLS SCREENED AT THE TOP OF THE WATER TABLE (30-45 FEET BGS) USED FOR POTENTIOMETRIC EVALUATION. DATA FROM MIDLEVEL, DEEP, PRODUCT WELLS, AND UNDERLINED DATA NOT USED.

0 120 240  
APPROXIMATE SCALE (FEET)



 <b>SECOR</b> 446 EISENHOWER LANE NORTH LOMBARD, ILLINOIS 60148 PHONE: (630) 792-1680 FAX: (630) 792-1691	FOR: HAMILTON SUNDSTRAND ROCKFORD, ILLINOIS		GROUNDWATER POTENTIOMETRIC SURFACE MAP SEPTEMBER 21, 2006		FIGURE <b>1</b>
	JOB NUMBER: 13UN.02072.04.0001	DRAWN BY: JC	CHECKED BY: KTW	APPROVED BY: DMC	DATE: 10/03/06